

PC-0028 US

<110> Lasek, Amy W.
Krasnow, Randi E.
Baughn, Mariah R.

<120> INTESTINAL PROTEINS

<130> PC-0028 CIP

<140> To Be Assigned

<141> Herewith

<160> 32

<170> PERL Program

<210> 1

<211> 475

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3229449CD1

<400> 1

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Phe	Ile	Leu	Ala	Ser	Trp	Ile	Ile	Phe	Thr	Val	Phe	Gln	Asn	Ser
				20					25					30
Thr	Lys	Val	Trp	Ser	Ala	Leu	Asn	Leu	Ser	Ile	Ser	Leu	His	Tyr
				35					40					45
Trp	Asn	Asn	Ser	Thr	Lys	Ser	Leu	Phe	Pro	Lys	Thr	Pro	Leu	Ile
				50					55					60
Ser	Leu	Lys	Pro	Leu	Thr	Glu	Thr	Glu	Leu	Arg	Ile	Lys	Glu	Ile
				65					70					75
Ile	Glu	Lys	Leu	Asp	Gln	Gln	Ile	Pro	Pro	Arg	Pro	Phe	Thr	His
				80					85					90
Val	Asn	Thr	Thr	Thr	Ser	Ala	Thr	His	Ser	Thr	Ala	Thr	Ile	Leu
				95					100					105
Asn	Pro	Arg	Asp	Thr	Tyr	Cys	Arg	Gly	Asp	Gln	Leu	His	Ile	Leu
				110					115					120
Leu	Glu	Val	Arg	Asp	His	Leu	Gly	Arg	Arg	Lys	Gln	Tyr	Gly	Gly
				125					130					135
Asp	Phe	Leu	Arg	Ala	Arg	Met	Ser	Ser	Pro	Ala	Leu	Met	Ala	Gly
				140					145					150
Ala	Ser	Gly	Lys	Val	Thr	Asp	Phe	Asn	Asn	Gly	Thr	Tyr	Leu	Val
				155					160					165
Ser	Phe	Thr	Leu	Phe	Trp	Glu	Gly	Gln	Val	Ser	Leu	Ser	Leu	Leu
				170					175					180
Leu	Ile	His	Pro	Ser	Glu	Gly	Val	Ser	Ala	Leu	Trp	Ser	Ala	Arg
				185					190					195
Asn	Gln	Gly	Tyr	Asp	Arg	Val	Ile	Phe	Thr	Gly	Gln	Phe	Val	Asn
				200					205					210
Gly	Thr	Ser	Gln	Val	His	Ser	Glu	Cys	Gly	Leu	Ile	Leu	Asn	Thr
				215					220					225
Asn	Ala	Glu	Leu	Cys	Gln	Tyr	Leu	Asp	Asn	Arg	Asp	Gln	Glu	Gly

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	230		235		240
Phe Tyr Cys Val Arg Pro Gln His Met		Pro Cys Ala Ala Leu Thr			
	245		250		255
His Met Tyr Ser Lys Asn Lys Lys Val		Ser Tyr Leu Ser Lys Gln			
	260		265		270
Glu Lys Ser Leu Phe Glu Arg Ser Asn		Val Gly Val Glu Ile Met			
	275		280		285
Glu Lys Phe Asn Thr Ile Ser Val Ser		Lys Cys Asn Thr Leu Lys			
	290		295		300
Ser Val Asp Leu His Glu Ser Gly Lys		Leu Gln His Gln Leu Ala			
	305		310		315
Val Asp Leu Asp Arg Asn Ile Asn Ile		Gln Trp Gln Lys Tyr Cys			
	320		325		330
Tyr Pro Leu Ile Gly Ser Met Thr Tyr		Ser Val Lys Glu Met Glu			
	335		340		345
Tyr Leu Thr Arg Ala Ile Asp Arg Thr		Gly Gly Glu Lys Asn Thr			
	350		355		360
Val Ile Val Ile Ser Leu Gly Gln His		Phe Arg Pro Phe Pro Ile			
	365		370		375
Asp Val Phe Ile Arg Arg Ala Leu Asn		Val His Lys Ala Ile Gln			
	380		385		390
His Leu Leu Leu Arg Ser Pro Asp Thr		Met Val Ile Ile Lys Thr			
	395		400		405
Glu Asn Ile Arg Glu Met Tyr Asn Asp		Ala Glu Arg Phe Ser Asp			
	410		415		420
Phe His Gly Tyr Ile Gln Tyr Leu Ile		Ile Lys Asp Ile Phe Gln			
	425		430		435
Asp Leu Ser Val Ser Ile Ile Asp Ala		Trp Asp Ile Thr Ile Ala			
	440		445		450
Tyr Gly Thr Asn Asn Val His Pro Pro		Gln His Val Val Gly Asn			
	455		460		465
Gln Ile Asn Ile Leu Leu Asn Tyr Ile		Cys			
	470		475		

<210> 2

<211> 547

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7484349CD1

<400> 2

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20 25	30
Phe Thr Lys Leu Trp Ser Ala Leu Asn Leu	Ser Ile Ser Val His
35 40	45
Tyr Trp Asn Asn Ser Ala Lys Ser Leu Phe	Pro Lys Thr Ser Leu
50 55	60
Ile Pro Leu Lys Pro Leu Thr Glu Thr Glu	Leu Arg Ile Lys Glu
65 70	75
Ile Ile Glu Lys Leu Asp Gln Gln Ile Pro	Pro Arg Pro Phe Thr
80 85	90

PC-0028 US

His	Val	Asn	Thr	Thr	Thr	Ser	Ala	Thr	His	Ser	Thr	Ala	Thr	Ile
				95					100					105
Leu	Asn	Pro	Arg	Asp	Thr	Tyr	Cys	Arg	Gly	Asp	Gln	Leu	Asp	Ile
				110					115					120
Leu	Leu	Glu	Val	Arg	Asp	His	Leu	Gly	Gln	Arg	Lys	Gln	Tyr	Gly
				125					130					135
Gly	Asp	Phe	Leu	Arg	Ala	Arg	Met	Ser	Ser	Pro	Ala	Leu	Thr	Ala
				140					145					150
Gly	Ala	Ser	Gly	Lys	Val	Met	Asp	Phe	Asn	Asn	Gly	Thr	Tyr	Leu
				155					160					165
Val	Ser	Phe	Thr	Leu	Phe	Trp	Glu	Gly	Gln	Val	Ser	Leu	Ser	Leu
				170					175					180
Leu	Leu	Ile	His	Pro	Ser	Glu	Gly	Ala	Ser	Ala	Leu	Trp	Arg	Ala
				185					190					195
Arg	Asn	Gln	Gly	Tyr	Asp	Lys	Ile	Ile	Phe	Lys	Gly	Lys	Phe	Val
				200					205					210
Asn	Gly	Thr	Ser	His	Val	Phe	Thr	Glu	Cys	Gly	Leu	Thr	Leu	Asn
				215					220					225
Ser	Asn	Ala	Glu	Leu	Cys	Glu	Tyr	Leu	Asp	Asp	Arg	Asp	Gln	Glu
				230					235					240
Ala	Phe	Tyr	Cys	Met	Lys	Pro	Gln	His	Met	Pro	Cys	Glu	Ala	Leu
				245					250					255
Thr	Tyr	Met	Thr	Thr	Arg	Asn	Arg	Glu	Val	Ser	Tyr	Leu	Thr	Asp
				260					265					270
Lys	Glu	Asn	Ser	Leu	Phe	His	Arg	Ser	Lys	Val	Gly	Val	Glu	Met
				275					280					285
Met	Lys	Asp	Arg	Lys	His	Ile	Asp	Val	Thr	Asn	Cys	Asn	Lys	Arg
				290					295					300
Glu	Lys	Ile	Glu	Glu	Thr	Cys	Gln	Val	Gly	Met	Lys	Pro	Pro	Val
				305					310					315
Pro	Gly	Gly	Tyr	Thr	Leu	Gln	Gly	Lys	Trp	Ile	Thr	Thr	Phe	Cys
				320					325					330
Asn	Gln	Val	Gln	Leu	Asp	Thr	Ile	Lys	Ile	Asn	Gly	Cys	Leu	Lys
				335					340					345
Gly	Lys	Leu	Ile	Tyr	Leu	Leu	Gly	Asp	Ser	Thr	Leu	Arg	Gln	Trp
				350					355					360
Ile	Tyr	Tyr	Phe	Pro	Lys	Val	Val	Lys	Thr	Leu	Lys	Phe	Phe	Asp
				365					370					375
Leu	His	Glu	Thr	Gly	Ile	Phe	Lys	Lys	His	Leu	Leu	Leu	Asp	Ala
				380					385					390
Glu	Arg	His	Thr	Gln	Ile	Gln	Trp	Lys	Lys	His	Ser	Tyr	Pro	Phe
				395					400					405
Val	Thr	Phe	Gln	Leu	Tyr	Ser	Leu	Ile	Asp	His	Asp	Tyr	Ile	Pro
				410					415					420
Arg	Glu	Ile	Asp	Arg	Leu	Ser	Gly	Asp	Lys	Asn	Thr	Ala	Ile	Val
				425					430					435
Ile	Thr	Phe	Gly	Gln	His	Phe	Arg	Pro	Phe	Pro	Ile	Asp	Ile	Phe
				440					445					450
Ile	Arg	Arg	Ala	Ile	Gly	Val	Gln	Lys	Ala	Ile	Glu	Arg	Leu	Phe
				455					460					465
Leu	Arg	Ser	Pro	Ala	Thr	Lys	Val	Ile	Ile	Lys	Thr	Glu	Asn	Ile
				470					475					480
Arg	Glu	Met	His	Ile	Glu	Thr	Glu	Arg	Phe	Gly	Asp	Phe	His	Gly
				485					490					495
Tyr	Ile	His	Tyr	Leu	Ile	Met	Lys	Asp	Ile	Phe	Lys	Asp	Leu	Asn
				500					505					510

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Val Gly Ile Ile Asp Ala Trp Asp Met Thr Ile Ala Tyr Gly Thr
515 520 525
Asp Thr Ile His Pro Pro Asp His Val Ile Gly Asn Gln Ile Asn
530 535 540
Met Phe Leu Asn Tyr Ile Cys
545

<210> 3

<211> 1616

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3229449CB1

<400> 3

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agagtctatg tatgggattg aacaatctgt aaactaaagg atcctaataca tgaaaataag 180
tatgataaat tataagtcac tattggcact gttgtttata ttagcctcct ggatcatttt 240
tacagttttc cagaactcca caaaggtttg gtctgtctta aacttatcca tctccctcca 300
ttactggaac aactccacaa agtccttatt ccctaaaaca ccactgatat cattaaagcc 360
actaacagag actgaactca gaataaagga aatcatagag aaactagatc agcagatccc 420
acccagacct ttcacccacg tgaacaccac caccagcgcc acacatagca cagccacat 480
cctcaaccct cgagatacgt actgcagggg agaccagctg cacatcctgc tggaggtgag 540
ggaccacttg ggacgcagga agcaatatgg cggggatttc ctgagggcca ggatgtcttc 600
cccagcgctg atggcaggtg cttcaggaaa ggtgactgac ttcaacaacg gcacctacct 660
ggtcagcttc actctgttct gggagggcca ggtctctctg tctctgctgc tcatccaccc 720
cagtgaaggg gtgtcagctc tctggagtgc aaggaaccaa ggctatgaca gggatgatctt 780
cactggccag tttgtcaatg gcacttccca agtcactct gaagtgtggc tgatcctaaa 840
cacaaatgct gaattgtgac agtacctgga caacagagac caagaaggct tctactgtgt 900
gaggctcaa cacatgccct gtgtctgact cactcacatg tattctaaga acaagaaagt 960
ttcttatctt agcaaacaag aaaagagcct ctttgaaagg tcaaatgtgg gtgtagagat 1020
tatggaaaaa ttcaatacaa ttagtgtctc caaatgcaac aactgaagt cagtggatct 1080
gcatgaatct ggaaaattgc aacaccagct tgctgtggat ttggatagga acatcaacat 1140
ccagtggcaa aaatattgtt atcccttgat aggatcaatg acctattcag tcaaagagat 1200
ggagtacctc acccgggcca ttgacagaac tggaggagaa aaaaatactg tcattgttat 1260
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cattcaatat ctcatcataa aggacatttt ccaggatctc agtgtgagta tcattgatgc 1500
ctgggatata acaattgcat atggcacaaa taatgtacac ccacctcaac atgtagtcgg 1560
aatcagatt aatatattat taaactatat ttgttaaata acaaaaaaaaa aaaaaa 1616

<210> 4

<211> 240

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2771041H1

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agagtctatg tatgggattg aacaatctgt aaactaaagg atcctaataca tgaaaataag 180
tatgataaat tataagtcac tattggcact gttgtttata ttagcctcct ggatcatttt 240

<210> 5
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 71851705V1

<400> 5
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gcagcagaga cagagagacc tggccctccc agaacagagt gaagctgacc aggtaggtgc 180
cgttgttgaa gtcagtcacc tttcctgaag cacctgccat cagcgctggg gaagacatcc 240
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tgctatgtgt ggcgctgggtg gtgggtgttca cgtgggtgaa aggtctgggt ggggtctgct 420
gatctagttt ctctatgatt tcctttattc tgagtccagt ctctgttagt ggctttaatg 480
atatcagtggt tgttttaggg aataaggact ttgtggagtt gttccagtaa tggagggaga 540
tggataagtt tagagcagac caaacctttg tggagttctg gaaaactgta aaaatgatcc 600
aggaggctaa tataaacaac a 621

<210> 6
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 70255975V1

<400> 6
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cagcagagac agagagacct ggccctccca gaacagagtg aagctgacca ggtaggtgcc 180
gttgttgaag tcagtcacct ttcctgaagc acctgccatc agcgctgggg aagacatcct 240
ggccctcagg aaatccccg catattgctt cctgcgtccc aagtgggtccc tcacctccag 300
caggatgtgc agctgggtctc ccctgcagta cgtatctcga ggggtgagga tgggtggctgt 360
gctatgtgtg gcgctgggtg tgggtgttcac gtgggtgac ggtctgggtg ggatctgctg 420
atctagtttc tctatgattt cctttattct gaggttcagtc tctgttagtg gctttaatga 480
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<210> 7
<211> 236
<212> DNA
<213> Homo sapiens

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<220>

<221> unsure

<222> 228

<223> a, t, c, g, or other

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aacagagacc aagaaggctt ctactgtgtg aggcctcaac acatgccctg tgctgcactc 180
actcacatgt attctaagaa caagaaagtt tcttatctta gcaaacanga aaagag      236
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<210> 8

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3229449F6

<220>

<221> unsure

<222> 47, 105, 248

<223> a, t, c, g, or other

<400> 8

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cctaattgga gattccacga tccgccagtg gatggaatac ttcaaagcca gtatcaacac 180
actgaagtca gtggatctgc atgaatctgg aaaattgcaa caccagcttg ctgtggattt 240
ggataggnac atcaacatcc agtggcaaaa acattgttat cccttgatag gatcaatgac 300
ctattcagtc aaagagatgg agtacctcac cgggggccat tgacagaact ggagggagaa 360
aaaaatactg tcattgttat ttccctgggg ccagcatttc agaccctttt ccca      414
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<210> 9

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7128544H1

<400> 9

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gtccacaaaag ccattcagca tcttcttctg agaagcccag acactatggt tatcatcaaa 180
acagaaaaca tcagggagat gtacaatgat gcagaaagat ttagtgactt tcatggttac 240
attcaatata tcatcataaa ggacattttc caggatctca gtgtgagtat cattgatgcc 300
tggtatataa caattgcata tggcaciaat aatgtacacc cacctcaaca tgtagtcgga 360
aatcagatta atatattatt aaactatatt tggt      394
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<210> 10

<211> 2248

<212> DNA

<213> Homo sapiens

PC-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 7484349CB1

<400> 10

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gtgaaacctc gacaagaagt atccaatagg acattcgtca tgcctcaaa tacaatgctt 180
caaaaaacgc tgctgatctt gatctctttt tcagtagtaa cctggatgat ttttataatt 240
tctcagaact tcacaaagct ttggtctgct ctaaaacttat ccatctctgt ccattactgg 300
aacaactccg caaagtcctt attccctaaa acatcactga taccattaaa gccactaaca 360
gagactgaac tcagaataaa ggaaatcata gagaaactag atcagcagat cccacccaga 420
cctttcaccc atgtgaacac caccaccagt gccacacaca gcacagccac catcctcaac 480
cctcgagata catactgcag gggagaccag ctggacatcc tactggaggt gagggaccac 540
ttgggacaga ggaagcaata tgggtgggat ttcctgaggg ccaggatgtc ctccccagca 600
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aaatttggtt atggcacctc tcatgtcttc actgaatgtg gcctgaccct aaactcaaat 840
gctgaactct gtgaatatct ggatgacaga gaccaagaag ccttctattg tatgaagcct 900
caacacatgc cctgtgaggc tctgacctac atgaccaccc ggaatagaga ggtatcttat 960
cttacagaca aggaaaacag ccttttccac aggtccaaag tgggagttga aatgatgaag 1020
gatcgtaaac acattgatgt cactaattgt aacaagagag aaaaaataga agagacatgc 1080
caagttggaa tgaagcctcc tgccctggt ggttatactt tacaaggaaa atggataaca 1140
acattttgca accaggttca gttagacaca attaagataa atggctgttt gaaaggcaaa 1200
ctcatttacc tctggggaga ctctacacta cgtcagtgga tctactactt ccccaaagtt 1260
gtaaaaaacac tgaagttttt tgatcttcat gaaactggaa tctttaagaa acatttgctt 1320
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ttccagctct actctctgat agatcatgat tatatccctc gggaaattga cgggctatca 1440
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gacattttta ttgcagggc catcgggtgt caaaaggcta ttgaaagact gttcctaaga 1560
agcccagcca ctaaagtgat tattaagaca gaaaacatca gggagatgca catagagaca 1620
gagaggtttg gagacttcca tggttatatt cactatctta tcatgaagga tattttcaaa 1680
gacctcaacg tgggcatcat tgatgcctgg gacatgacca ttgcatatgg cactgacact 1740
atccacccac ctgatcatgt gattggaaat cagattaaca tgttctttaa ctacatttgc 1800
taagggataa atactataca aaatcactag gaaccaatct ctgcacataa tcccacatgt 1860
attgtaaagt aagttttact catttttagga actaaggaaa ataaatttaa aagaatctgt 1920
ttggggagga aggctatgta aggacaatga caactgataa gggatgcaaa accaagagaa 1980
tcattcatga agaatgacta taccatgcct ggttctgatg ctcgttttaa atattaaaaa 2040
agttttttta aagccatggt attaaagtga tttgaaaata tctgtacaaa ttcatgatgc 2100
tttctatttc caatatagat atttcctagc tctgtctatt gaaaaggcct aggagcaatg 2160
ataacccatt agcaataatc actccgagca ccctaactgt gatgtctaag aacccttcct 2220
caataaaaaga aaagaggcat ccttgaag 2248
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<210> 11

<211> 661

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1333949F6

<400> 11

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gtgcattctg tgctacctga cacctattgg ggtcctggaa ggaggaagca acaatcctga 120
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gtgaaacctc gacaagaagt atccaatagg acattcgtca tgtcctcaaa tacaatgctt 180
caaaaaaacgc tgctgatctt gatctctttt tcagtagtaa cctggatgat ttttataatt 240
tctcagaact tcacaaagct ttggtctgct ctaaacttat ccatctctgt ccattactgg 300
aacaactccg caaagtcctt attccctaaa acatcactga taccattaaa gccactaaca 360
gagactgaac tcagaataaa ggaaatcata gagaaactag atcagcagat cccacccaga 420
cctttcaccc atgtgaacac caccaccagt gccacacaca gcacagccac catcctcaac 480
cctcgagata catactgcag gggagaccag ctggacatcc tactggaggt gagggaccac 540
ttgggacaga ggaagcaata tgggtgggat ttcttgaggg ccaggatgtc ctcccagca 600
ctgacggcag gtgcttcagg aaaggatgat gacttcaaca atggcaccta cctggtcagc 660
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<210> 12

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7604658J1

<400> 12

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acattcagtg aagacatgag aggtgccatt aacaaatttg cctttgaaaa taattttatc 180
atagccttgg ttcttggccc tccagagagc cgacgccctt tactgggggt ggatgagcag 240
cagagacagg gagacctggc cctcccagaa cagagtgaag ctgaccaggt aggtgccatt 300
gttgaagtcc atcacctttc ctgaagcacc tgccgtcagt gctggggagg acatcctggc 360
cctcaggaaa tccccacat attgcttcct ctgtcccaag tggtcctca cctccagtag 420
gatgtccagc tgggtctccc tgcagtatgt atctcgaggg ttgaggatgg tggctgtgct 480
gtgtgtggca ctgggtggtg tgttcacatg ggtgaaag 518
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<210> 13

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 70106729V1

<400> 13

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atagtgaata taaccatgga agtctccaaa cctctctgtc tctatgtgca tctccctgat 60
gttttctgtc ttaataatca ctttagtggc tgggtcttct aggaacagtc tttcaatagc 120
cttttgaaca ccgatggccc tgcgaataaa aatgtcaatg ggaaatggtc taaagtgtctg 180
gccaaagggtg atgacgatgg ctgtgttttt gtcacctgat agccgggtcaa tttcccgagg 240
gatataatca tgatctatca gagagttagg ctggaaagtg acgaagggtg agctatgttt 300
tttccattga atctgagtgt gtctttctgc atccagaagc aaatgtttct taaagattcc 360
agtttcatga agatcaaaaa acttcagtgt ttttacaact ttggggaagt agtagatcca 420
ctgacgtagt gtagagtctc ccaggaggtg aatgagtttg ct 462
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<210> 14

<211> 531

<212> DNA

<213> Homo sapiens

<220>

PC-0028 US

<221> misc_feature

<223> Incyte ID No: 70107804V1

<400> 14

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tatagtcatt cttcatgaat gattctcttg gttttgcac ctttatcagt tgtcattgtc 120
cttacatagc cttcctcccc aaacagattc ttttaaattt attttcctta gttcctaaaa 180
tgagtaaaac ttactttaca atacatgtgg gattatgtgc agagattggt tcctagtgat 240
tttgatatag atttatccct tagcaaatgt agtttaagaa catgttaatc tgatttccaa 300
tcacatgata aggtgggtgg atagtgtcag tgccatatgc aatgggtcatg tcccaggcat 360
caatgatgcc cacgttgagg tctttgaaaa tatccttcac gataagatag tgaatataac 420
catggaagtc tccaaacctc tctgtctcta tgtgcacatc cctgatgttt tctgtcttaa 480
taatcacttt agtggctggg ctttttagga acagtctttc aatagccttt t 531
```

<210> 15

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5865314H1

<220>

<221> unsure

<222> 2, 15, 50

<223> a, t, c, g, or other

<400> 15

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gnaaaaaccaa gagantcatt catgaagaat gactatacca tgccctggtn tgatgctcgt 60
ttaaaatatt aaaaaagttt tttaaaagcc atgttattaa gctgatttga aaatatctgt 120
acaaattcat gatgctttct atttccaata tagatatttc ctagctctgt ctattgaaaa 180
ggcctaggag caatgataac ccattagcaa taatcactcc gagcacccta actgtgatgt 240
ctaagaaccc ttcttcaata aaagaaaaga ggcacac 276
```

<210> 16

<211> 206

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 701244557H1

<400> 16

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gtcagcttca ctctgctctg ggagggccag gtctccctgt ctatcctgct catgcacccc 120
agtgaagggg tgtcagctct ctggagagca aggaaccagg gttacgacag aatcatcttc 180
tcaggccatt ttgtcagtgg cgcttc 206
```

<210> 17

<211> 291

<212> DNA

<213> Rattus norvegicus

<220>

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PC-0028 US

<221> misc_feature

<223> Incyte ID No: 700306567H1

<400> 17

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cctggaagat attctttaag gcaagatact ggggtgtaacc gtggaagtca ctaaacctct 60
ccatgtcggt attcaactcc ctgggtgttt ctgttttgag gaccaccagg gtgtccgggc 120
ttctctggag aagacgctga agagctctgt gaacactgag ggcccttcgg ataaaaacat 180
caatgggaaa aggtctgaaa tgctggccca gagaaaagac aatgactgtg tttttctctc 240
ctccgattct gtcaattatc cgtgcagtgt tctctatctc ttgacagag t 291
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<210> 18

<211> 244

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 700141983H1

<400> 18

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ataattgaca gaatcggagg agagaaaaac acagtcattg tcttttctct gggccagcat 120
ttcagacctt ttcccattga tgtttttatc cgaagggccc tcagtgttca cagagctctt 180
cagcgtcttc tccagagaag cccggacacc ctggtggtcc tcaaaacaga aaacaccagg 240
gagt 244
```

<210> 19

<211> 270

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 701725590H1

<400> 19

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catggcttcc ctctaactcg gtcattggtg tactctgtca aagagataga gaacactgca 60
cggataattg acagaatcgg aggagagaaa aacacagtca ttgtcttttc tctgggccag 120
catttcagac cttttcccat tgatgttttt atccgaaggg ccctcagtgt tcacagagct 180
cttcagcgtc ttctccttag aagcccggac accctggtgg tcctcaaaac agaaaattat 240
agggagttga ataacgacat ggagagggtt 270
```

<210> 20

<211> 288

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 700363665H1

<400> 20

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atccgaacgg ccctcagtgt tcacagagct cttcagcgtc ttctcctgag aagcccggac 120
accctggtgg tcctcaaaac agaaaacacc atggagttga ataacgacat ggagaggttt 180
agtattcca cggttacacc cagtatcttg ccttaaagaa tatcttcag gatctccgtg 240
```

PC-0028 US

tgggtgtcat tgatgcctgg gatatgacag ttgcatatgg cacaaacg 288

<210> 21
<211> 275
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701473585H1

<400> 21
gcagcaccaa cttgccgtgg acttggatga gaaaatcaac atccagtggc agaaacatgg 60
cttcctctta atcgggtcat tgggtgtactc tgtcaaagag atagagaaca ctgcacggat 120
aattgacaga atcggaggag agaaaaacac agtcattgtc ttttctctgg gccagcattt 180
cagacctttt cccattgatg tttttatccg ataggccctc agtgttcaca gagctcttca 240
gcgtcttctc cagagaagcc cggacaccct ggtggg 275

<210> 22
<211> 257
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700600759H1

<400> 22
gccaggtctc cctgtctatc ctgctcatgc accccagtga aggggtgtca gctctctgga 60
gagcaaggaa ccaaggctat ggtagaattg ccttcaaagg gacttttgtt aatggcacat 120
ccaaggtcac agctgaatgt ggcctgatcc tgaactcaag cagtgagctc tgcaaatacc 180
tgtaccgtgg tggcgaggaa gtcttctact gcgtgaagcc tcaacacatg ccctgtgagg 240
ccctgaccta cgtgtgt 257

<210> 23
<211> 276
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701460109H1

<400> 23
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catgccctaa agtgcctctc aatccatcag tttcaccaac agagacagaa ctgagaatca 120
aggagatcct agagaaacta aacaaacaga tccctcccag acccttcgcc cacctcaaca 180
acaccacaag tgctacacac agcatagcca ccctcctcaa ccctcaagat acatactgtg 240
taggggacca gctggacatc ctggtagagg ctagag 276

<210> 24
<211> 250
<212> DNA
<213> Rattus norvegicus

<220>

PC-0028 US

<221> misc_feature

<223> Incyte ID No: 701420417H1

<400> 24

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gctgtggaga ttatgggaaa atccaacgtg attagtgtct ccaaagccgc 120
ccggtgaaga agaaatgcaa gtttgggatg gcatctgcaa tccctactgg gcatgtctgg 180
aaaaacacgt ggaatccggc ctcctgcagt ctggctccaa tcaaaatgaa agactgtctg 240
agaggaaaac                                     250
```

<210> 25

<211> 248

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 701634496H1

<400> 25

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tccgtgtggg tgctattgat gcctgggata tgacagttgc atatggcaca aacgatgtcc 180
atccaccaga ggaggtagtt agaagtgaaa ttaatatatt cttaaactat atttgctagc 240
aaacacat                                     248
```

<210> 26

<211> 329

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 701601584H1

<400> 26

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gcatatggca caaacgatgt ccattccacca gaggaggtag ttagaagtga aattaatata 120
ttcttaaaact atatttgcta gcaaacacat aactttgaaa gtcgctcgtt gaacttaaaa 180
gagacagtga gtcctacagc cgtgccaaagt gccgagatat cccagttaat ccaaggacat 240
aatctgtatt atggtccatg tgggtccatcc agttcagcct aataaggcat tcctacgcca 300
gcctgctgct caaaattgaa tatgaaaag                                     329
```

<210> 27

<211> 144

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<223> Incyte ID No: 701940254H1

<400> 27

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gtctccaaat gcaacagggt ctttgaaaaa gatggaaggc acttaataaa cacagatgaa 120
ctggtgtttt agaagacccc atct                                     144
```

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<210> 28
<211> 262
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701463630H1

<400> 28
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gattagaggg aagccatggt tctgccactg gatgttgatt ttctcatcca agtccacggc 180
aagttggtgc tgcagccttc cagtctcgtg gaggtccacc ggcctcagcg tgttgatttt 240
gcttttgaag tactccatcc ac 262

<210> 29
<211> 277
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701623610H1

<400> 29
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tactgatgc ctgggatatg acagttgcat atggcacaaa cgatgtccat ccaccagagg 120
aggtagttag aagtgaaatt aatatattct taaactatat ttgctagcaa acacataact 180
ttgaaagtgc ctcggttgaac ttaaaagaga cagtgaagtc tacagccgtg ccaagtgccg 240
agatatccca gttaatccaa ggacataatc tgtatta 277

<210> 30
<211> 1005
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: GNN.g9965027_000007_006

<400> 30
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atccacccca gtgaaggggt gtcagctctc tggagtgcga ggaaccaagg ctatgacagg 180
gtgatcttca ctggccagtt tgtcaatggc acttcccaag tccactctga atgtggcctg 240
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tactgtgtga ggccctcaaca catgccctgt gctgcactca ctcacatgta ttctaagaac 360
aagaaaagttt cttatcttag caaacaagaa aagagcctct ttgaaaggtc aaatgtgggt 420
gtagagatta tggaaaaatt caatacaatt agtgtctcca aatgcaacac actgaagtca 480
gtggatctgc atgaatctgg aaaattgcaa caccagcttg ctgtggattt ggataggaac 540
atcaacatcc agtggcaaaa atattgttat cccttgatag gatcaatgac ctattcagtc 600
aaagagatgg agtacctcac cggggccatt gacagaactg gaggagaaaa aaatactgtc 660
attgttattt ccctggggcca gcatttcaga ccctttccca ttgatgtttt tatccgaagg 720
gccctcaatg tccacaaagc cattcagcat cttcttctga gaagcccaga cactatgggt 780
atcatcaaaa cagaaaacat caggggagatg tacaatgatg cagaaaagatt tagtgacttt 840

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catggttaca ttcaatatct catcataaag gacattttcc aggatctcag tgtgagtatc 900
attgatgcct gggatataac aattgcataat ggcacaaata atgtacaccc acctcaacat 960
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<210> 31
<211> 1545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: GNN.g9795680_006.edit

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aaggaaatca tagagaaact agatcagcag atcccaccca gacctttcac ccatgtgaac 180
accaccacca gtgccacaca cagcacagcc accatcctca accctcgaga tacatactgc 240
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tatggtgggg atttcttgag ggccaggatg tctctcccag cactgacggc aggtgcttca 360
ggaaagggtga tggacttcaa caatggcacc tacctgggtca gcttctactct gttctgggag 420
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atagatcatg attatatccc tcgggaaatt gaccggctat caggtgacaa aaacacagcc 1200
atcgtcatca cctttggcca gcactttaga ccatttccca ttgacatttt tattcgcagg 1260
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catggttata ttactatct tatcatgaag gatattttca aagacctcaa cgtgggcac 1440
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gtgattggaa atcagattaa catgttctta aactacattt gctaa 1545

<210> 32
<211> 540
<212> PRT
<213> Oryctolagus cuniculus

<220>
<221> misc_feature
<223> Incyte ID No: g1762

<400> 32
Met Leu His Lys Tyr Leu Lys Leu Ile Cys Leu Leu Ala Ala Ile
1 5 10 15
Cys Val Leu Cys Ile Ile Ser Gln Asn Ser Thr Lys Ile Trp Gly
20 25 30
Ala Leu Lys Leu Pro Asn Ser His Tyr Tyr Ser Asn Thr Ser Met

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Ile	Ser	Ser	Ile	Pro	Lys	Met	Ser	Val	Ser	Pro	Val	Lys	Ser	Leu	
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Thr	Glu	Thr	Glu	Leu	Arg	Val	Lys	Glu	Ile	Leu	Glu	Lys	Leu	Asp	
				50					55					60	
Arg	Leu	Ile	Pro	Pro	Arg	Pro	Phe	Thr	His	Val	Asn	Thr	Thr	Thr	
				65					70					75	
Ser	Ala	Thr	His	Ser	Thr	Ala	Thr	Ile	Leu	Asn	Pro	Gln	Asp	Lys	
				80					85					90	
Tyr	Cys	Val	Gly	Asp	Gln	Leu	Asp	Ile	Leu	Leu	Glu	Val	Arg	Asp	
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Tyr	Leu	Gly	His	Gln	Lys	Glu	Tyr	Gly	Gly	Asp	Phe	Leu	Arg	Ala	
				110					115					120	
Arg	Met	Phe	Ser	Pro	Ala	Leu	Lys	Ala	Gly	Ala	Ser	Gly	Lys	Val	
				125					130					135	
Thr	Asp	Phe	Asn	Asn	Gly	Thr	Tyr	Leu	Val	Ser	Phe	Thr	Leu	Phe	
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Trp	Glu	Gly	Gln	Val	Ser	Leu	Ser	Val	Leu	Leu	Ile	His	Pro	Ser	
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Glu	Gly	Ala	Ser	Ala	Leu	Trp	Arg	Ala	Arg	Asn	Gln	Gly	Tyr	Asp	
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Arg	Ile	Ile	Phe	Lys	Gly	Gln	Phe	Val	Asn	Gly	Thr	Ser	His	Val	
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Phe	Thr	Glu	Cys	Ser	Leu	Thr	Leu	Asn	Ser	Asn	Thr	Glu	Glu	Cys	
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Lys	Tyr	Leu	Asn	Gly	Arg	Asp	Gln	Asp	Val	Phe	Tyr	Cys	Met	Lys	
				215					220					225	
Pro	Gln	His	Met	Pro	Cys	Glu	Ala	Leu	Thr	His	Val	Thr	Ser	Arg	
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Asn	Arg	Asp	Ile	Ser	Tyr	Leu	Thr	Ser	Lys	Glu	Lys	Asn	Leu	Phe	
				245					250					255	
His	Arg	Ser	Lys	Val	Gly	Val	Glu	Ile	Met	Lys	Asn	Gln	His	Ile	
				260					265					270	
Asp	Val	Ser	Gln	Cys	Asn	Lys	Ser	Lys	Glu	Val	Lys	Glu	Lys	Cys	
				275					280					285	
Gln	Ile	Gly	Met	Lys	Ile	Pro	Val	Pro	Gly	Gly	Tyr	Thr	Leu	Gln	
				290					295					300	
Gly	Arg	Trp	Leu	Thr	Thr	Phe	Cys	Asn	Gln	Ile	Gln	Leu	Asp	Thr	
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Ala	Lys	Ile	Ser	Gly	Cys	Leu	Lys	Gly	Lys	Leu	Ile	Tyr	Leu	Met	
				320					325					330	
Gly	Asp	Ser	Thr	Leu	Arg	Gln	Trp	Ile	Tyr	Tyr	Leu	Pro	Lys	Val	
				335					340					345	
Met	Lys	Thr	Leu	Lys	Phe	Phe	Asp	Leu	His	Glu	Thr	Gly	Asn	Phe	
				350					355					360	
Lys	Lys	His	Leu	Leu	Leu	Asp	Ala	Glu	Lys	His	Thr	Gln	Ile	Gln	
				365					370					375	
Trp	Lys	Lys	His	Ser	His	Pro	Phe	Val	Thr	Tyr	Gln	Leu	Phe	Ser	
				380					385					390	
Val	Ile	Asp	His	Gly	Tyr	Ile	Pro	Gln	Glu	Ile	Asp	Arg	Leu	Ile	
				395					400					405	
Gly	Asp	Lys	Asp	Thr	Val	Ile	Val	Ile	Thr	Phe	Gly	Gln	His	Phe	
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Arg	Pro	Phe	Pro	Ile	Asp	Ile	Phe	Ile	Arg	Arg	Ala	Ile	Ser	Val	
				425					430					435	
Arg	Gln	Ala	Ile	Glu	Arg	Leu	Phe	Leu	Arg	Ser	Pro	Ala	Thr	Lys	
				440					445					450	

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Val	Ile	Val	Lys	Thr	Glu	Asn	Ile	Arg	Glu	Met	His	Ile	Glu	Ala
				470					475					480
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				485					490					495
Lys	Asp	Ile	Phe	Lys	Asp	Leu	Asn	Val	Gly	Val	Val	Asp	Ala	Trp
				500					505					510
Asp	Met	Thr	Ile	Ala	Tyr	Gly	Thr	Asn	Asn	Val	His	Pro	Pro	Asp
				515					520					525
Gln	Val	Ile	Gly	Asn	Gln	Ile	Asn	Met	Phe	Leu	Asn	Tyr	Ile	Cys
				530					535					540